



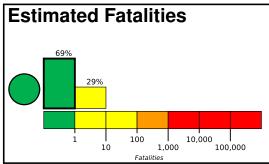
anssimm

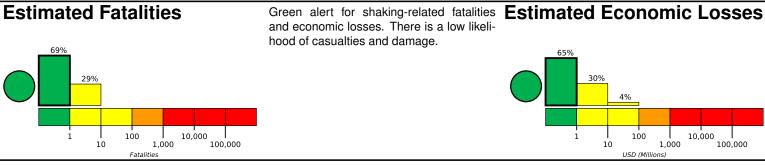
PAGER Version 3

Created: 2 hours, 8 minutes after earthquake

M 4.2, 10 km NNE of Guide Rock, Nebraska

Origin Time: 2023-12-10 19:31:18 UTC (Sun 13:31:18 local) Location: 40.1656° N 98.2907° W Depth: 7.1 km





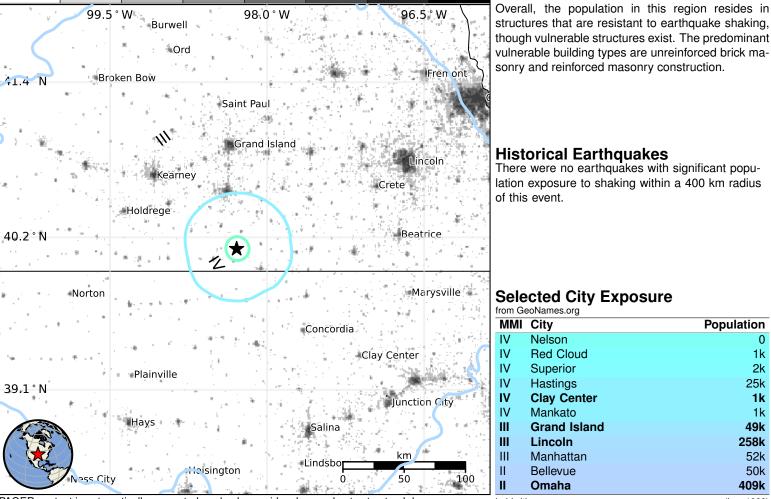
Estimated Population Exposed to Earthquake Shaking

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ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	2,190k	28k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure





Historical Earthquakes There were no earthquakes with significant population exposure to shaking within a 400 km radius of this event.

Selected City Exposure

from GeoNames.org MMI City Population IV Nelson 0 IV **Red Cloud** 1k IV Superior 2k IV Hastings 25k IV **Clay Center** 1k IV Mankato 1k Ш **Grand Island** 49k Ш Lincoln 258k Ш Manhattan 52k Ш Bellevue 50k Ш **Omaha** 409k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.